

TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT
(Under 37 CFR 1.97(b) or 1.97(c))

Docket No.
1853-SPL

In Re Application Of:

George M. Murray, et al.

Serial No.

Filing Date

Examiner

Group Art Unit

Title:

Neutron Detection Based On Boron Activated Liquid Scintillation

Address to:

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

37 CFR 1.97(b)

1. ☒ The Information Disclosure Statement submitted herewith is being filed within three months of the filing of a national application other than a continued prosecution application under 37 CFR 1.53(d); within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; before the mailing of a first Office Action on the merits, or before the mailing of a first Office Action after the filing of a request for continued examination under 37 CFR 1.114.

37 CFR 1.97(c)

2. ☐ The Information Disclosure Statement submitted herewith is being filed after the period specified in 37 CFR 1.97(b), provided that the Information Disclosure Statement is filed before the mailing date of a Final Action under 37 CFR 1.113, a Notice of Allowance under 37 CFR 1.311, or an Action that otherwise closes prosecution in the application, and is accompanied by one of:

☐ the statement specified in 37 CFR 1.97(e);

OR

☐ the fee set forth in 37 CFR 1.17(p).

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Payment of Fee

(Only complete if Applicant elects to pay the fee set forth in 37 CFR 1.17(p))

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Dated: 7/17/03

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INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

Docket Number (Optional)

1853-SPL

Application Number

Applicant(s)

George M. Murray, et al.

Filing Date

Group Art Unit

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	A	5,734,166	3/31/98	John B. Czirr			
	B	5,606,638	2/25/97	Jacob R. Tymianski			
	C	4,620,939	11/4/86	Massahiko Maeda			
	D	3,573,220	3/30/71	Royal H. Benson			
	E	3,372,127	3/5/68	George E. Thomas, Jr.			
	F	3,233,103	2/1/66	Ryozo Aoki			

FOREIGN PATENT DOCUMENTS

	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO
	G	JP405333158A	12/17/93	Japan			✓	
	H	998,117	7/14/65	England				
	I	960,448	6/10/74	England				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	1	Large Area Imaging Detector for Neutron Scattering Based on Boron-Rich Liquid Scintillator, D. Vartsky and M.B. Goldberg, et al., Nucl. Instr. & Method A, July 2002
	2	Neutron Counting, Detector Applications Information Note, Bicron, www.bicron.com, 3/1997
	3	Research Program of the TEXONO Collaboration: Status and Highlights, Wong and Li, 3/8/02, 1st NCTS Workshop on Astro-Particle Physics, Taiwan, 12/2001
	4	A Feasibility Study of Boron-Loaded liquid Scintillator for the Detection of Electron Anti-Neutrinos, SC Wang, et al. 10/20/98, Nuclear Instr. and Methods in Physics Research A 432 (1999) 111-121

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.